



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

D3290-3
Job Sheet 180339



Part No: D3290-3

Job Qty: 6 ea

Part Name: Window



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 7/5/18

Job Tracking No:

Due Date: 7/20/18

Created By: Marie Lajeunesse

Type: SOLD

Description:

Note: DWG REV C IPP A 04.08.18 New issue KJ/RF IPP B IPP C 07.05.29. Thermoform in-house DL IPP D 07.09.28 rev C dwg EC verified by: DD IPP E 07.11.28 Add --Hand finish deburring DL

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
100	Purchasing	6 pcs		7/20/18	0.00	0.00	Purchasing		
105	Packaging	6 pcs		7/20/18	0.00	0.00	Packaging2		
110	QC	6 pcs		7/20/18	0.00	0.00	QC6		DAS 38 7/18/2018
190	Packaging	6 pcs		7/20/18	0.00	0.00	Packaging3-1	5432	AUG 16 2018
200	QC21-SA	6 Ea		7/20/18	0.00	0.00	QC21		DAS 9-89

Part Op 100 - ISSUE P/O: 0404/18 SUPPLIER: PLASTECH MANUFACTURE D3290-3 AS PER DWG C OF C
Descriptions: IS REQUIRED

110 - ***Windows need to be protected at all time***

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
D3290-3P	Window	6 Ea (1 ea)	100-Purchasing	S095181

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
100-Purchasing	D3290-3P	6	0	0

Part Specifications

Spec No	Description	Target/Tolerance	Limits	Type	Special Comments
1	Window	26.580Inches ± 0.030	26.610 26.550		
2	Window	16.080Inches ± 0.030	16.110 16.050		
3	Window	13.790Inches ± 0.030	13.820 13.760		
4	Window	12.400Inches ± 0.030	12.430 12.370		
5	Window	8.810Inches ± 0.030	8.840 8.780		



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL.: 1 613 632-6200
Email: sales@dartaero.com
www.dartaerospace.com

Container No: S095185



Part: D3290-3

Job No: 180339

Serial No/Batch: S095185

Revision: C

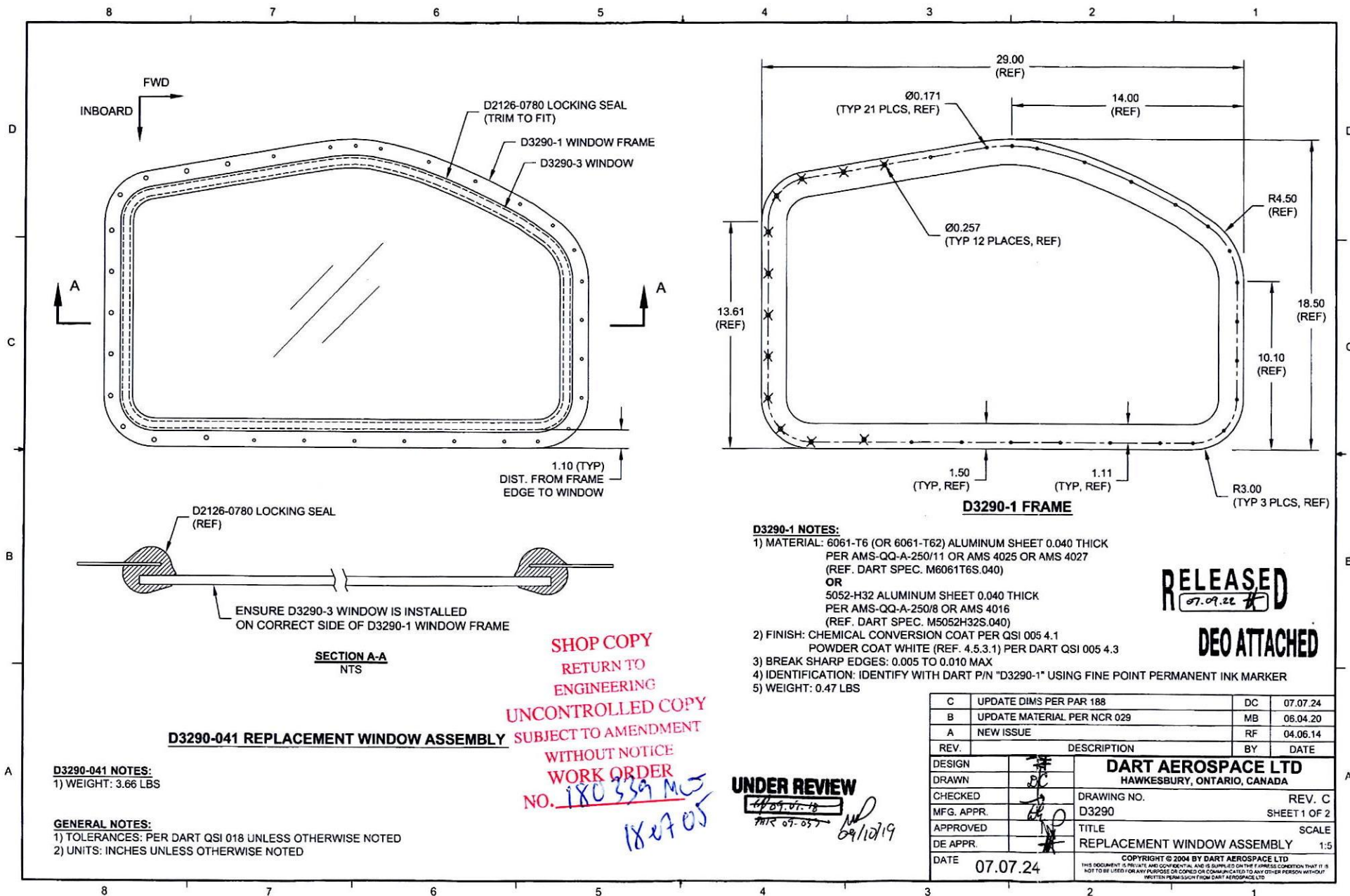
Inspector:

Exp Date:

Instructions:

Date: 07/23/18

340
82
94



DQA: _____ Date: _____



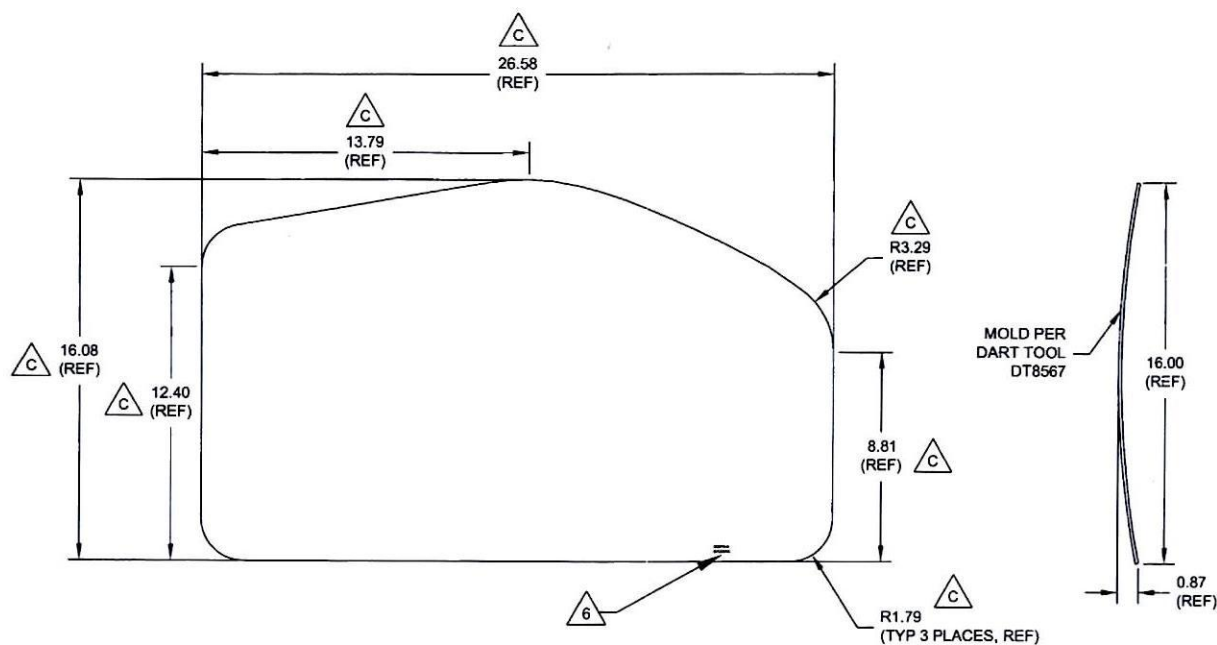
WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval 		
Description Work Order Deviation				Disposition					
								Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	

Root Cause				FAULT CATEGORY			
Environment ☐	☐	No Re-verification ☐	☐	Pressure/Forced ☐	☐	Temperature/Cure ☐	☐
Design ☐	☐	Operator ☐	☐	Bending ☐	☐	Set-up ☐	☐
Doc/Data ☐	☐	Offset/Setup ☐	☐	Centre Not Concentric ☐	☐	BOM/Route ☐	☐
Equip/Tooling ☐	☐	Supplier ☐	☐	Cracks ☐	☐	Broken/Damage/Defect ☐	☐
Handling/Pre ☐	☐	Training ☐	☐	Crimp/Kink/Ripple/Wave ☐	☐	Inspection Incomplete/Unqualified ☐	☐
Material ☐	☐	Use for Testing ☐	☐	Cuffs ☐	☐	Contamination ☐	☐
Internal Transport ☐	☐	Poor Information ☐	☐	Crushing ☐	☐	Countersink ☐	☐
Tribal Knowledge ☐	☐	Rushing ☐	☐	Heat Treat ☐	☐	Cut Too Short ☐	☐
LOA ☐	☐	Product Improvement ☐	☐	Wave/Twist in Tube ☐	☐	Instructions Incomplete/Unclear ☐	☐
Substation ☐	☐	Process Improvement ☐	☐	Marks/Chatter ☐	☐	Drill Holes ☐	☐
Past Expiry Date ☐	☐	Manufacturing Process ☐	☐	OTHER : _____			
Misidentified ☐	☐	Past Due ☐	☐				



D3290-3 WINDOW

- D3290-3 NOTES:**
- 1) MATERIAL: POLYCAST II CLEAR ACRYLIC SHEET PER MIL-P-5425
OR PLEXIGLAS G CLEAR CAST ACRYLIC SHEET PER
LP-391 TYPE 1 GRADE C, 0.125 THICK
(REF. DART SPEC. M-ACRYLIC-S.125)
 - 2) FINISH: NONE
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) REMOVE SHARP EDGES
 - 6) IDENTIFICATION: ENGRAVE P/N "D3290-3" AND B/N ON LOWER EDGE
USE 0.125" HIGH LETTERS TO MAXIMUM DEPTH OF 0.005"
 - 7) WEIGHT: 1.87 +/- 0.42 LBS
 - 8) MOLD PER DART TOOL DT8567

UNDER REVIEW

**DEO ATTACHED
RELEASED**

DESIGN	<i>[Signature]</i>	DART AEROSPACE LTD	
DRAWN	<i>[Signature]</i>	HAWKESBURY, ONTARIO, CANADA	
CHECKED	<i>[Signature]</i>	DRAWING NO. D3290	REV. C
MFG. APPR.	<i>[Signature]</i>	TITLE	SHEET 2 OF 2
APPROVED	<i>[Signature]</i>	REPLACEMENT WINDOW ASSEMBLY	SCALE 1:5
DE APPR.		DATE 07.07.24	

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NOT TO BE USED FOR ANY PURPOSE, OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT
WRITTEN PERMISSION FROM DART AEROSPACE LTD

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

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Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐		OTHER : _____					

DRAWING NO. D3290	TITLE REPLACEMENT WINDOW ASSEMBLY	REV. C	DART AEROSPACE LTD ENGINEERING ORDER		D.E.O. NO. D3290-C-1	SHEET NO. SHEET 1 OF 1	SCALE NTS
DRAWN <i>qp</i>	CHECKED <i>ls</i>	MFG. APPR. <i>E</i>	APPROVED <i>mp</i>	DE APPR. <i>mp</i>			
DATE 09.09.18	DATE 09.09.18	DATE 09.09.18	DATE 09/09/21	DATE 09/09/21			

PURPOSE:

CHANGE MATERIAL THICKNESS OF D3290-1 FRAME TO 0.063 FROM 0.040. REF PAR 09-033.

CHANGE:

MATERIAL CALL-OUT OF D3290-1 FRAME ON SHEET 1 IS AMENDED AS FOLLOWS:

D3290-1 NOTES

- 1) MATERIAL: 6061-T6 (OR 6061-T62) ALUMINUM SHEET ~~0.040 THICK~~ 0.063 THICK (REPLACE)
 PER AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027
~~(REF. DART SPEC. M6061T6S.040)~~ REF. DART SPEC. M6061T6S.063 (REPLACE)
 OR
 5052-H32 ALUMINUM SHEET ~~0.040 THICK~~ 0.063 THICK (REPLACE)
 PER AMS-QQ-A-250/8 OR AMS 4016
~~(REF. DART SPEC. M5052H32S.040)~~ REF. DART SPEC. M5052H32S.063 (REPLACE)

RELEASED
 2009 -10- 09
mp

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER :							
Misidentified ☐	Past Due ☐								



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER **PO040418**

Supplier: PLA002-VC
Plas-Tech
115 Applewood Crescent
Concord
ON
L4K 5C1 Canada
Phone: 416-736-0004
Fax: 416-736-0010

PO No: PO040418
PO Date: 7/5/18
Due Date: 7/20/18
Purchase Order
Revision:
Revision Date:
Ship-To Contact: Lussier, Patrick
Phone:

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Via: Ground
Pynt Terms: Net 60
Freight Terms:
Special Comments:

Items

Line Item	Job	Part	Supplier Part No	Item No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1		D3290-3P	DAS 61 9-89		Window As Per Dwg D3290 Rev. C	Firmed	7/20/18	6 Ea	0 Ea	6 Ea	\$45.00/Ea	\$270.00

Line Item Note W/O 180339

Grand Total: \$270.00

Order Notes

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Procurement Quality Clauses

A005 RIGHT OF ENTRY

A007 FIRST ARTICLE INSPECTION (FAI) BY SELLER, (DOCUMENTATION MAINTAINED BY SUPPLIER)

A012 CHEMICAL AND PHYSICAL TEST REPORTS

A016 PERSONNEL QUALIFICATION

A017 RAW MATERIAL IDENTIFICATION (AS APPLICABLE)

A026 CERTIFICATION OF MATERIAL CONFORMANCE

A041 QUALITY MANAGEMENT SYSTEM

A042 DART NOTIFICATION BY SUPPLIER

A043 RETENTION OF QUALITY DOCUMENT

A048 COUNTERFEIT PARTS AVOIDANCE, DETECTION, MITIGATION AND DISPOSITION PROGRAM

A049 SUPPLIER AWARENESS

Plex 7/5/18 3:55 PM dart.Lussier.Patrick

Packing Slip



115 Applewood Crescent
Concord, ON, L4K 5C1
PLASTECHONLINE.COM

P- 416 736 0004
F- 416 736 0010

Shipment Number: 30011
Shipment Date: 07/19/2018
BOL Number:
Customer Key: C1887
Salesperson: MIKE AUBE
Page Number: 1 of 1

B DART AEROSPACE LTD.
I 1270 ABERDEEN STREET
L HAWKESBURY ON K6A 1K7
L CA
T Attn: DALE BATES
O Buyer Contact: PATRICK LUSSIER

S DART AEROSPACE
H 1270 ABERDEEN STREET
I HAWKESBURY ON K6A 1K7
P CA
T Attn: PATRICK LUSSIER
O

Purchase Order

40418

Carrier Account

151793240

Sales Order

SO-024293

Ship Via

FEDERAL EXPRESS - Priority Overnight

Incoterms

EX WORKS

Payment Method

COL

Tracking Number

Item Number
Revision

D3290-3P - Rev.: C

Description

REPLACEMENT WINDOW ASSEMBLY

AS PER DWG D3290 REV C

Quantity UOM
Shipped

6 EA

DAS
61
9-89

DAS
38
9-89

Number of Containers

Gross Weight

Shipped By

Certificate Of Conformance



Customer: DART AEROSPACE LTD P.O. # 40418 SO # 024293

Part #	D3290-3P	Qty.	6	Batch #	-001
Description	REPLACEMENT WINDOW ASSEMBLY	Material usage	1 SHEET	Lot#	240394
Part #		Qty.		Batch #	
Description		Material usage		Lot#	
Part #		Qty.		Batch #	
Description		Material usage		Lot#	
Part #		Qty.		Batch #	
Description		Material usage		Lot#	
Part #		Qty.		Batch #	
Description		Material usage		Lot#	
Part #		Qty.		Batch #	
Description		Material usage		Lot#	
Part #		Qty.		Batch #	
Description		Material usage		Lot#	
Part #		Qty.		Batch #	
Description		Material usage		Lot#	

Note: All parts are not identified as meeting QSI044.

By: [Signature]
(Approved QA Signatory)

Date: JULY 20, 2018 C O F C # 077

Page: 1 of 1

Plas-Tech Inc. 115 Applewood Cres. Concord, Ontario L4K 5C1 Tel: (416) 736-0004 Fax: (416) 736-0010

Email: info@plasteconline.com, Web: www.plasteconline.com